

SILRES[®] BS 375



Silane-Siloxane mixtures

SILRES[®] BS 375 is a solvent dilutable concentrate of Alkylsilane/siloxane. In diluted form with organic solvent, it serves as a water-repellent for impregnating mineral building materials and as a primer for mineral substrates.

It develops its water-repellent effect by reacting with atmospheric humidity and with water absorbed on the walls of the pores and capillaries of the building material.

SILRES[®] BS 375 penetrates the building material further and exhibits higher resistance to alkalis, than pure methyl silicone resins.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless to yellowish and opalescent, cloudy	-
Density	25 °C	1.05 - 1.08 g/cm ³	DIN 51757
Viscosity, dynamic	25 °C	20 mPa·s	DIN 51562
Flash point	-	44 °C	not specified
Silane-/Siloxane content	-	approx. 100 wt. %	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Construction Materials

- Hydrophobic Impregnation
- Impregnation of New and Existing Buildings
- Pre-Impregnation of Construction Materials

Application details

Hydrophobic impregnation / priming

The dilute solution of SILRES® BS 375, whether it is being used to impregnate or prime, is either brushed onto the building material or applied by flooding. It is usually sufficient to treat the building material twice, applying SILRES® BS 375 solution liberally and uniformly, wet-on-wet. Best results are obtained by flooding the building material.

To achieve good penetration of the impregnating agent/primer, the building material should be air-dry at the surface (to a depth of 5 mm). The area for treatment should not have any damp patches.

The amount of hydrophobic impregnating agent / primer required for two liberal applications depends on the absorbency of the respective building material.

The following examples demonstrate this:

Mineral plaster 0,5 to 0,8 l/m²
Brick masonry 0,4 to 2,0 l/m²
Aerated concrete 0,5 to 2,0 l/m²
Natural stone 0,1 to 2,0 l/m²

When material requirements are being calculated for a bill of quantities, a sufficient large (1-2 m²) test area should be used to determine the amount of impregnating agent/primer needed. The efficiency of the treatment can also be checked on the test area.

Dilution

SILRES® BS 375 can be diluted with aliphatic or aromatic hydrocarbons or with anhydrous alcohol. We would recommend the use of petroleum hydrocarbons such as White Spirit 130/175 and White Spirit 145/200 or hydrocarbons with a low aromatic content, e. g. Shellsol T. Alcohols should only be used as diluent if the impregnating agent is likely to come into contact with plastics that are attacked by solvent (foamed polystyrene, bitumen, etc.), and this cannot be avoided. The solvent used should have a boiling range of 140-190°C and an evaporation number of 30-90. If the above mentioned hydrocarbons are used, SILRES® BS 375 should be diluted in a weight ratio of 1:11 to 1:15.

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SILRES® BS 375



For technical, quality or product safety questions, please contact:

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